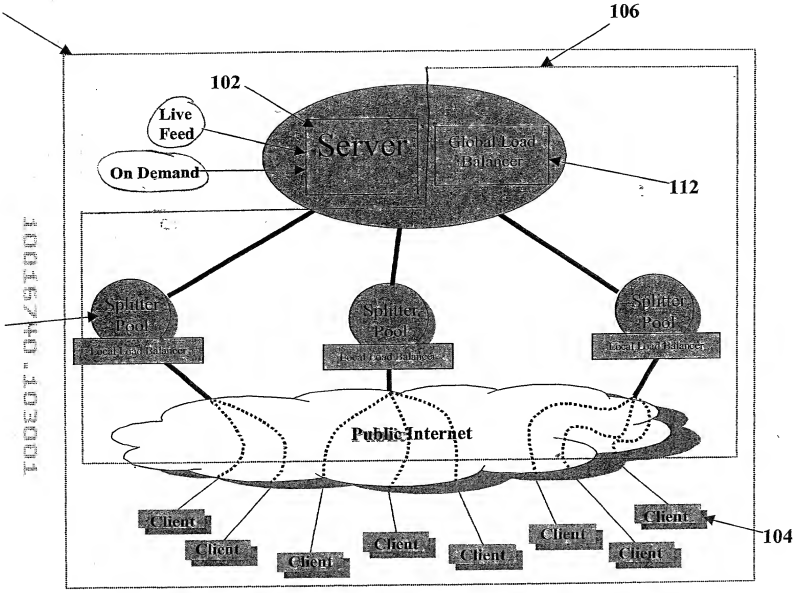
106
102
Live Feed
On Demand
Server
Global Load Balancer
112
Splitter Pool
Splitter Pool
Splitter Pool
Public Internet
Client
Client
Client
Client
Client
Client
Client
Client
104

Figure 1

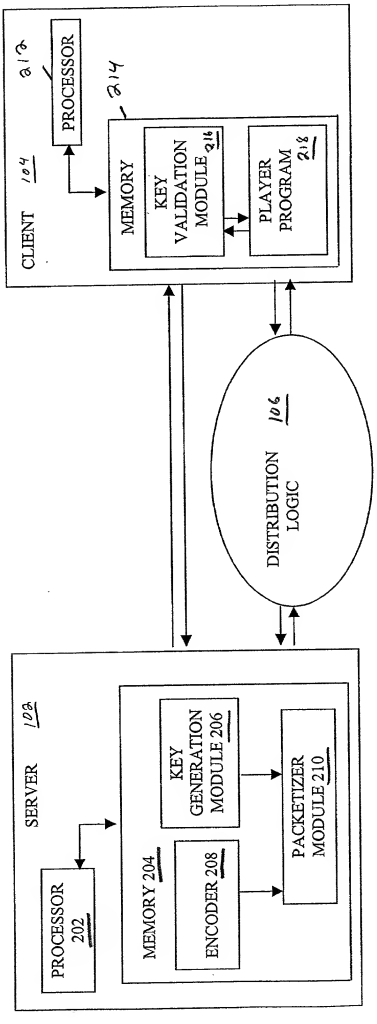
SERVER 102
PROCESSOR 202
MEMORY 204
ENCODER 208
KEY GENERATION MODULE 206
PACKETIZER MODULE 210
DISTRIBUTION LOGIC 106
CLIENT 104
PROCESSOR 216
MEMORY 214
KEY VALIDATION MODULE 218
PLAYER PROGRAM 218

FIGURE 2

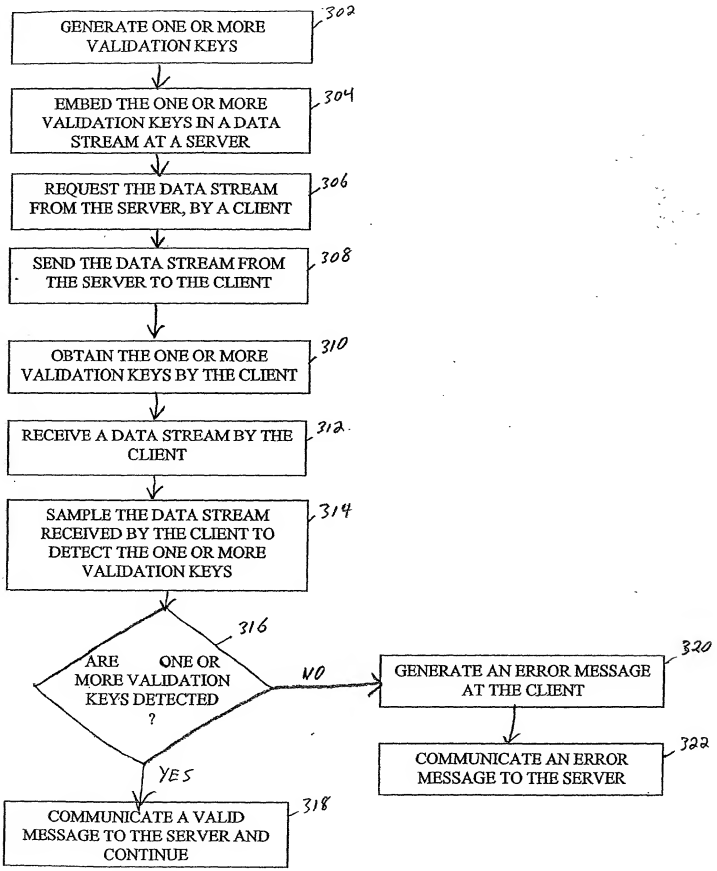
GENERATE ONE OR MORE VALIDATION KEYS
302
EMBED THE ONE OR MORE VALIDATION KEYS IN A DATA STREAM AT A SERVER
304
REQUEST THE DATA STREAM FROM THE SERVER, BY A CLIENT
306
SEND THE DATA STREAM FROM THE SERVER TO THE CLIENT
308
OBTAIN THE ONE OR MORE VALIDATION KEYS BY THE CLIENT
310
RECEIVE A DATA STREAM BY THE CLIENT
312
SAMPLE THE DATA STREAM RECEIVED BY THE CLIENT TO DETECT THE ONE OR MORE VALIDATION KEYS
314
ARE ONE OR MORE VALIDATION KEYS DETECTED ?
316
NO
GENERATE AN ERROR MESSAGE AT THE CLIENT
320
COMMUNICATE AN ERROR MESSAGE TO THE SERVER
322
YES
COMMUNICATE A VALID MESSAGE TO THE SERVER AND CONTINUE
318

Figure 3

Title: Automated Content Source Validation for Streaming Data
Express Mail Certificate No.: EL863954955US Filed: October 30, 2001
Inventors: Gregory C. Kune et al. Atty. Docket No.: 42390.P12158

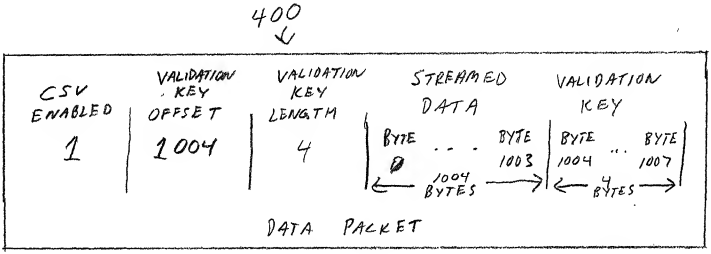

FIGURE 4

10016740 - 103001

500

SERVER URL	VALIDATION KEYS
rtsp://www.mediaserver1/example_stream1	E106
rtsp://www.mediaserver1/example_stream2	24A6
rtsp://www.mediaserver1/example_stream3	F94A
rtsp://www.mediaserver1/example_stream4	62A6

FIGURE 5